Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

HOBBS OCD
DEC 02 2016
RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM27506

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SD EA 19 FEDERAL P6 005H

2. Name of Operator
CHEVRON U.S.A. INC.

Contact: DENISE PINKERTON
E-Mail: leakejd@chevron.com

9. API Well No.
30-025-42797

3a. Address
6301 DEAUVILLE BLVD
MIDLAND, TX 79706

3b. Phone No. (include area code)
Ph: 432-687-7375

10. Field and Pool, or Exploratory
BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 19 T26S R33E Mer NMP 227FNL 1747FEL

11. County or Parish, and State
LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Production Start-up
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COMPLETION REPORT FOR NEW DRILL:
04/20/2016: MIRU.
04/22/2016: TIH W/DBL FR 9384' TO SURF @ 80 FT/MIN W/0 PSI ON WELL.
04/24/2016: PRESS TEST-750 PSI LOW, 9800 PSI HIGH, 15 MINS. GOOD TEST.
ESTAB INJ3ECTION RATE. TOTAL BBLS PUMPED 90 BBLS. SIP - 2700 PSI.

05/02/2016 THROUGH 05/16/2016: PERF STAGE 1 THROUGH STAGE 14. 9425 -13702
FRAC W/TOTAL SAND: (100 MESH & 40/70) = 6,015,341 LBS.
*****DETAILED PERF & FRAC REPORT ATTACHED*****

05/23/2016: TEST EQPT TO 4000 PSI. TIH W/GR/JB TO KOP @ 8703'.
06/03/2016: TEST BLINDS & PIPE RAMS 250 LOW/4500 HIGH FOR 5 MINS. GOOD.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #351919 verified by the BLM Well Information System
For CHEVRON U.S.A. INC., sent to the Hobbs
Committed to AFMSS for processing by DEBORAH MCKINNEY on 09/29/2016 ()

Name *(Printed/Typed)* DENISE PINKERTON — Title PERMITTING SPECIALIST

Signature (Electronic Submission) — Date 09/20/2016

ACCEPTED FOR RECORD
NOV 4 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #351919 that would not fit on the form

32. Additional remarks, continued

06/06/2016: TIH W/2 7/8" TBG SET @ 8680. PKR @ 8657'. TAG PKR. BTM OF PKR @ 8664'.

06/07/2016: RIG DOWN. RELEASE RIG.

07/18/2016: ON 24 HR OPT. FLOWING 798 OIL, 1998 GAS, & 410 WATER.
GOR - 2504

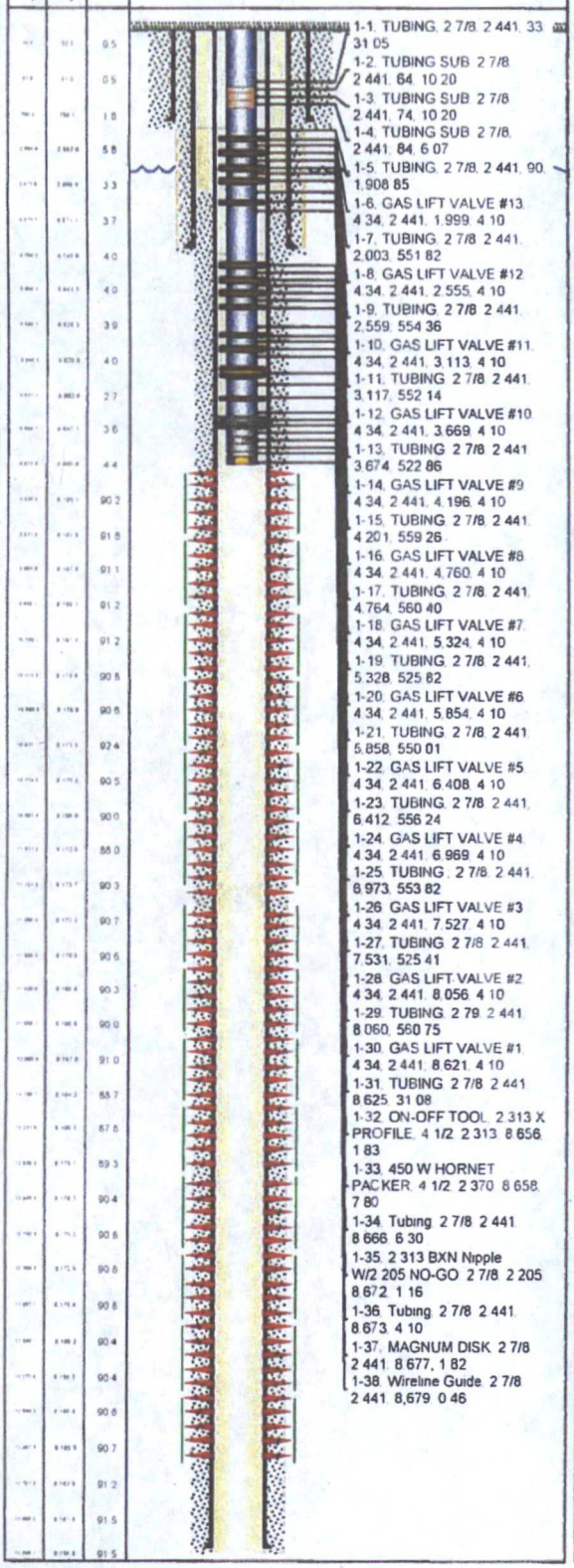
Tubing Summary

Well Name	Lease	Field Name	Business Unit
SALADO DRAW EA 19 FED P6 005H	Salado Draw EA 19 Fed P6	WILDCAT (HOBBS)	Mid-Continent

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,205.00	3,237.60	3,237.60, 12/15/2015		

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)
32.60			

Land - Original Hole, 6/6/2016 4:00:00 PM



Tubing Strings

Tubing Description	Planned Run?	Set Depth (MD) (ftKB)	Set Depth (TVD) (ftKB)
Tubing - Production	N	8,679.6	8,661.1

Run Date	Run Job	Pull Date	Pull Job
6/6/2016	Complete, 4/20/2016 00:00		

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	TUBING	2 7/8	2.441	6.50	L-80	8RD	31.05	32.5	63.6
1	TUBING SUB	2 7/8	2.441	6.50	L-80	8RD	10.20	63.6	73.8
1	TUBING SUB	2 7/8	2.441	6.50	L-80	8RD	10.20	73.8	84.0
1	TUBING SUB	2 7/8	2.441	6.50	L-80	8RD	6.07	84.0	90.0
62	TUBING	2 7/8	2.441	6.50	L-80	8RD	1,908.85	90.0	1,998.9
1	GAS LIFT VALVE #13	4.335	2.441			8RD	4.10	1,998.9	2,003.0
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	551.82	2,003.0	2,554.8
1	GAS LIFT VALVE #12	4.335	2.441			8RD	4.10	2,554.8	2,558.9
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	554.36	2,558.9	3,113.3
1	GAS LIFT VALVE #11	4.335	2.441			8RD	4.10	3,113.3	3,117.4
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	552.14	3,117.4	3,669.5
1	GAS LIFT VALVE #10	4.335	2.441			8RD	4.10	3,669.5	3,673.6
17	TUBING	2 7/8	2.441	6.50	L-80	8RD	522.86	3,673.6	4,196.5
1	GAS LIFT VALVE #9	4.335	2.441			8RD	4.10	4,196.5	4,200.6
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	559.26	4,200.6	4,759.8
1	GAS LIFT VALVE #8	4.335	2.441			8RD	4.10	4,759.8	4,763.9
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	560.40	4,763.9	5,324.3
1	GAS LIFT VALVE #7	4.335	2.441			8RD	4.10	5,324.3	5,328.4
17	TUBING	2 7/8	2.441	6.50	L-80	8RD	525.82	5,328.4	5,854.2
1	GAS LIFT VALVE #6	4.335	2.441			8RD	4.10	5,854.2	5,858.3
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	550.01	5,858.3	6,408.3
1	GAS LIFT VALVE #5	4.335	2.441			8RD	4.10	6,408.3	6,412.4
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	556.24	6,412.4	6,968.7
1	GAS LIFT VALVE #4	4.335	2.441			8RD	4.10	6,968.7	6,972.8
18	TUBING	2 7/8	2.441	6.50	L-80	8RD	553.82	6,972.8	7,526.6
1	GAS LIFT VALVE #3	4.335	2.441			8RD	4.10	7,526.6	7,530.7
17	TUBING	2 7/8	2.441	6.50	L-80	8RD	525.41	7,530.7	8,056.1
1	GAS LIFT VALVE #2	4.335	2.441			8TRD	4.10	8,056.1	8,060.2
18	TUBING	2.785	2.441	6.50	L-80	8RD	560.75	8,060.2	8,621.0
1	GAS LIFT VALVE #1	4.335	2.441			8RD	4.10	8,621.0	8,625.1
1	TUBING	2 7/8	2.441	6.50	L-80	8RD	31.08	8,625.1	8,656.1
1	ON-OFF TOOL, 2.313 X PROFILE	4 1/2	2.313			8RD	1.83	8,656.1	8,658.0
1	450 W HORNET PACKER	4 1/2	2.370			8RD	7.80	8,658.0	8,665.8

Report Printed: 8/10/2016

Tubing Summary

Well Name	Lease	Field Name	Business Unit
SALADO DRAW EA 19 FED P6 005H	Salado Draw EA 19 Fed P6	WILDCAT (HOBBS)	Mid-Continent

Ground Elevation (ft)	Original RKB Elevation (ft)	Current RKB Elevation	Mud Line Elevation (ft)	Water Depth (ft)
3,205.00	3,237.60	3,237.60, 12/15/2015		

Current KB to Ground (ft)	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)
32.60			

Land - Original Hole 6/6/2016 4:00:00 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
		0.5	1-1, TUBING, 2 7/8, 2.441, 33, 31.05
		0.5	1-2, TUBING SUB, 2 7/8, 2.441, 64, 10.20
		1.6	1-3, TUBING SUB, 2 7/8, 2.441, 74, 10.20
		5.8	1-4, TUBING SUB, 2 7/8, 2.441, 84, 6.07
		3.3	1-5, TUBING, 2 7/8, 2.441, 90, 1,908.85
		3.7	1-6, GAS LIFT VALVE #13, 4.34, 2.441, 1,999, 4.10
		4.0	1-7, TUBING, 2 7/8, 2.441, 2,003, 551.82
		4.0	1-8, GAS LIFT VALVE #12, 4.34, 2.441, 2,555, 4.10
		3.9	1-9, TUBING, 2 7/8, 2.441, 2,559, 554.36
		4.0	1-10, GAS LIFT VALVE #11, 4.34, 2.441, 3,113, 4.10
		2.7	1-11, TUBING, 2 7/8, 2.441, 3,117, 552.14
		3.8	1-12, GAS LIFT VALVE #10, 4.34, 2.441, 3,669, 4.10
		4.4	1-13, TUBING, 2 7/8, 2.441, 3,674, 522.86
		86.2	1-14, GAS LIFT VALVE #9, 4.34, 2.441, 4,196, 4.10
		91.6	1-15, TUBING, 2 7/8, 2.441, 4,201, 559.26
		91.1	1-16, GAS LIFT VALVE #8, 4.34, 2.441, 4,760, 4.10
		91.2	1-17, TUBING, 2 7/8, 2.441, 4,764, 560.40
		91.2	1-18, GAS LIFT VALVE #7, 4.34, 2.441, 5,324, 4.10
		90.8	1-19, TUBING, 2 7/8, 2.441, 5,328, 525.82
		90.6	1-20, GAS LIFT VALVE #6, 4.34, 2.441, 5,854, 4.10
		92.4	1-21, TUBING, 2 7/8, 2.441, 5,858, 550.01
		90.5	1-22, GAS LIFT VALVE #5, 4.34, 2.441, 6,408, 4.10
		90.0	1-23, TUBING, 2 7/8, 2.441, 6,412, 556.24
		88.0	1-24, GAS LIFT VALVE #4, 4.34, 2.441, 6,969, 4.10
		90.3	1-25, TUBING, 2 7/8, 2.441, 6,973, 553.82
		90.7	1-26, GAS LIFT VALVE #3, 4.34, 2.441, 7,527, 4.10
		90.6	1-27, TUBING, 2 7/8, 2.441, 7,531, 525.41
		90.3	1-28, GAS LIFT VALVE #2, 4.34, 2.441, 8,056, 4.10
		90.0	1-29, TUBING, 2.79, 2.441, 8,060, 560.75
		91.0	1-30, GAS LIFT VALVE #1, 4.34, 2.441, 8,621, 4.10
		88.7	1-31, TUBING, 2 7/8, 2.441, 8,625, 31.08
		87.8	1-32, ON-OFF TOOL, 2.313 X PROFILE, 4 1/2, 2.313, 8,656, 1.83
		89.3	1-33, 450 W HORNET PACKER, 4 1/2, 2.370, 8,658, 7.80
		90.4	1-34, Tubing, 2 7/8, 2.441, 8,666, 6.30
		90.6	1-35, 2.313 BXN Nipple W/2.205 NO-GO, 2 7/8, 2.205, 8,672, 1.16
		90.6	1-36, Tubing, 2 7/8, 2.441, 8,673, 4.10
		90.4	1-37, MAGNUM DISK, 2 7/8, 2.441, 8,677, 1.82
		90.4	1-38, Wireline Guide, 2 7/8, 2.441, 8,679, 0.46
		90.6	
		90.7	
		91.2	
		91.5	
		91.5	

Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing	2 7/8	2.441	6.40	L-80	8RD	6.30	8,665.8	8,672.1
1	2.313 BXN Nipple W/2.205 NO-GO	2 7/8	2.205			8RD	1.16	8,672.1	8,673.2
1	Tubing	2 7/8	2.441	6.40	L-80	8RD	4.10	8,673.2	8,677.3
1	MAGNUM DISK	2 7/8	2.441			8RD	1.82	8,677.3	8,679.2
1	Wireline Guide	2 7/8	2.441			8RD	0.46	8,679.2	8,679.6

Rod Strings

Rod Description	Planned Run?	Set Depth (ftKB)	Set Depth (TVD) (ftKB)
Run Date	Run Job	Pull Date	Pull Job

Rod Components

Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftKB)	Btm (ftKB)

Report Printed: 8/10/2016

SD EA 19 FED P6 #005H

PERF & FRAC INFORMATION

STAGE 1: 13700, 13665, 13605, 13545, 13485
6 spf, .41 dia hole.
PUMP STAGE 1:
Sand in formation 419,808 lbs 100% Prime up & test lines to 9500psi.
Equalize/open well @ 1399 psi. Avg Rate 88.3 bpm. Avg press:5644 psi.
Max Rate: 90.3 bpm Max Press:8868 psi. ISIP:1880 psi
Pump Time 115 mins Total clean fluid 8932 bbls Total slurry volume 9383 bbls
Sand pumped: Sand 100 – 33,056 lbs Sand 40/70 – 385,873 lbs TOTAL:418,929 lbs

STAGE 2: 13425, 13375, 13300, 13245, 13200
6 jspf, .41 dia hole. Total bbls pmpd: 313 bbls, max pressure 2378 psi
PUMP STAGE 2:
Sand in formation 419,808 lbs: 100% Test lines to 9500 psi.
Equalize/open well @ 1388 psi. Avg Rate: 88.9 bpm Avg Pressure 5824 psi
Max rate: 89.4 bpm Max Pressure 8173 psi ISIP 2068 psi
Pump Time: 146 mins. Total clean fluid:8981 bbls Total Slurry volume:9433 bbls
Sand pumped: Sand 100 – 32,344 lbs, Sand 40/70: 387,468 lbs TOTAL: 419,812 lbs

STAGE 3: 13125, 13055, 13005, 12945, 12885
6 jspf, .41 dia hole. Total bbls pmpd: 260 bbls. Max pressure: 2223 psi
PUMP STAGE 3
Sand in formation 419,808 lbs, 100% Prime up & test lines to 9500psi.
Equalize/open well @ 1418 psi. Ave Rate: 85.8 bpm Ave Pressure: 6076 psi
Max Rate:90.7 bpm, Max Pressure: 8900 psi. ISIP: 2120 psi.
Pump Time: 113 mins. Total clean fluid: 11,753 bbls. Total slurry volume:12,204 bbls
Sand Pumped: Sand 100 –32,716 lbs, Sand 40/70:386,503 lbs. TOTAL: 419,219 lbs

STAGE 4: 12825, 12755, 12705, 12645, 12586
6 JSPF, .41 dia hole. Max press of 2193 psi w/258 bbls pumped.
PUMP STAGE 4:
Sand in formation 419,808 lbs, 100% Prime up & test lines to 9500 psi.
Equalize/open well @ 1593 psi. Avg Rate: 89.7 bpm, Avg Pressure: 5592psi.
Max Rate: 90.5 bpm, Max Pressure: 8276 psi. ISIP:2220 psi.
Pump Time: 113 mins. Total clean fluid: 9029 bbls, Total slurry volume: 9480 bbls
Sand pumped: Sand 100: 32,597 lbs, Sand 40/70L 387,098 lbs, TOTAL: 419,695 lbs

STAGE 5: 12525, 12465, 12405, 12330, 12285
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. . Max pressure of 2263 psi w/240 bbls pumped.
PUMP STAGE 5:
Sand in formation: 419,808 lbs, 100%, Prime up & test lines to 9500psi.
Equalize/open well @1666 psi. Ave Rate: 85.7 bpm, Avg pressure:5972 psi
Max Rate:86.1 bpm, Max Pressure: 8232 psi. ISIP: 2354 psi.
Pump Time: 120 mins. Total clean fluid:8835 bbls, Total Slurry volume:9288 bbls
Sand pumped: Sand 100:30,832 lbs, Sand 40/70:389,871 lbs, TOTAL: 420,703 lbs

STAGE 6: 12180, 12135, 12075, 12005, 11955
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Pressure of 3049 psi w/235 bbls pumped.
PUMP STAGE 6:
Sand in formation: 470,016 lbs, 100%. Prime up & test lines to 9500 psi.
Equalize/open well @ 1862 psi. Ave Rate:88.8 bpm, Ave Pressure: 5509 psi.
Max rate:91.0 bpm, Max Pressure:8131 psi. ISIP:2255 psi.
Pump time:132 mins. Total clean fluid: 10,001 bbls, Total Slurry volume:10,508 bbls
Sand pumped: sand 100:32,450 lbs, sand 40/70:438,489 lbs. TOTAL:470,939 lbs

STAGE 7: 11850, 11775, 11691, 11625, 11565
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. . Max pressure of 2214 psi w/185 bbls pumped.
PUMP STAGE 7:
Sand in formation: 470,016 lbs,100 %, Prime up & test lines to 9500 psi.
Equalize/open hole @1922 psi. Ave rate:86.5 bpm, Ave Pressure:5132 psi
Max rate: 87.0 bpm, Max Pressure:8255 psi. ISIP: 2290 psi.
Pump time:118 mins. Total clean fluid:9852 bbls, Total slurry volume:10,360 bbls.
Sand Pumped: Sand 100: 32,569 lbs, Sand 40/70: 439,144 lbs, TOTAL:471,713 lbs

STAGE 8: 11500, 11455, 11375, 11300, 11221
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 2306 psi w/174 bbls pumped.
PUMP STAGE 8:
Sand in formation: 470,316 lbs, 100%, Prime up & test lines to 9500 psi.
Equalize/open hole @ 1796 psi. Ave Rate: 85.5 bpm, Ave pressure: 5501 psi
Max Rate: 85.7 bpm, Max pressure: 7866 psi. ISIP: 2267 psi.
Pump time: 118 mins. Total clean fluid: 9940 bbls, Total slurry volume: 10,447 bbls
Sand pumped: Sand 100: 33,161 lbs, Sand 40/70: 437,875 lbs. TOTAL 471,036 lbs

STAGE 9: 11130, 11075, 11011, 10950, 10915
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 1397 psi w/167 bbls pumped.
PUMP STAGE 9:
Sand in Formation: 419,808 lbs, 100% Prime up & test lines to 9500 psi.
Equalize/open well @ 1740 psi. Ave Rate: 85.0 bpm, Ave Pressure: 5730 psi.
Max rate: 90.0 bpm, Max pressure: 7818 psi. ISIP: 2114 psi.
Pump time: 118 mins. Total Clean fluid: 8861 bbls, Total slurry volume: 9314 bbls
Sand pumped: Sand 100: 32,609 lbs, Sand 40/70: 387,855 lbs. TOTAL: 420,464 lbs

STAGE 10: 10855, 10815, 10775, 10735, 10695
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max press of 3185 psi w/121 bbls pumped.
PUMP STAGE 10:
Sand in formation: 299,975 lbs, 100% Prime up and test lines to 9500 psi.
Equalize/open well @ 1901 psi. Ave Rate: 84.8 bpm, Ave Pressure: 5842 psi.
Max Rate: 86.1 bpm, Max pressure: 8443 psi. ISIP: 2419 psi.
Pump time: 118 mins. Total clean fluid: 6652 bbls, Total slurry volume: 6975 bbls
Sand pumped: Sand 100: 21,012 lbs, Sand 40/70: 278,896 lbs. TOTAL 299,908 lbs

STAGE 11: 10635, 10565, 10500, 10435, 10368
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Press 2981 psi w/120 bbls pumped.

PUMP STAGE 11:
Sand in formation: 470,016 lbs, 100%, Prime up and test lines to 9500 psi.
Equalize/open well @ 1867 psi. Ave Rate: 84.9 bpm. Ave Pressure: 5516 psi.
Max rate: 85.6 bpm, Max pressure: 8341 psi. ISIP: 2372 psi.
Pump time: 118 mins. Total clean fluid: 9836 bbls, total slurry volume 10,343 bbls.
Sand pumped: Sand 100: 32,583 lbs, Sand 40/70: 438,322 lbs, TOTAL: 470,905 lbs

STAGE 12: 10310, 10245, 10180, 10115, 10050
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max Pressure of 2515 psi w/98 bbls pmped.
PUMP STAGE 12:
Sand in formation: 470,016 lbs, 100% Prime up and test lines to 9500 psi.
Equalize/open well @ 1997psi. Ave Rate: 85.0 bpm, Ave pressure: 5475 psi
Max rate: 85.0 bpm, Max pressure: 7975 psi, ISIP: 2319 psi.
Pump time: 126 mins, Total clean fluid: 9777 bbls, Total slurry volume: 10,283 bbls.
Sand pumped: Sand 100: 32,541 lbs, Sand 40/70: 437,797 lbs, TOTAL: 470,338 lbs.

STAGE 13: 9990, 9925, 9860, 9795, 9730
6 JSPF, .41 dia hole. Pump dn @ 12 bpm. Max pressure of 2417 psi w/74 bbls pumped.
PUMP STAGE 13:
Sand in formation: 470,016 lbs, 100%, Prime up & test lines to 9500 psi.
Equalize/open well @ 1981 psi. Ave Rate: 85.0 bpm, Ave Pressure: 5197 psi.
Max Rate: 85.7 bpm, Max Pressure: 8153 psi. ISIP: 2473 psi.
Pump time: 72 mins. Total clean fluid: 9821 bbls, Total slurry volume: 10,329 bbls.
Sand pumped: Sand 100: 32,918 lbs, Sand 40/70: 438,808 lbs TOTAL: 471,726 lbs

STAGE 14: 9670, 9600, 9530, 9475, 9425
6 JSPF, .41 dia hole. Pump down @ 15 bpm. Max press of 2615 psi w/65 bbls pumped.
PUMP STAGE 14:
Sand in formation: 370,050 lbs 100%. Prime up & test lines to 9500 psi.
Equalize/open hole W 1872 psi. Ave rate: 85.0 bpm, Ave Press: 5367 psi
Max Rate: 86.0bpm, Max pressure: 8092 psi. ISIP: 2767 psi.
Pump time: 111 mins. Total clean fluid: 8001 bbls, Total slurry volume: 8399 bbls.
Sand pumped: Sand 100: 23,789 lbs, Sand 40/70: 345,265 lbs, TOTAL 370,054 lbs.